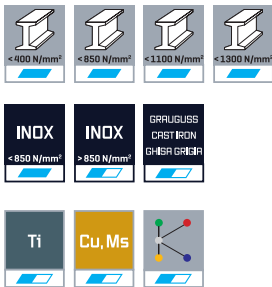


d1 _{js16} mm	d2 _{h6} mm	l1 mm	l2 mm	Z	Code 1356 Art.-Nr.
30	20	90	30	5	0 1356003001 00
35	20	90	30	6	0 1356003501 00

d1 _{js16} mm	d2 _{h6} mm	l1 mm	l2 mm	Z	Code 1356 Art.-Nr.
40	25	95	32	6	0 1356004001 00
50	32	100	36	6	0 1356005001 00

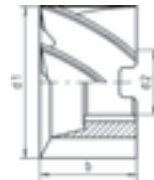
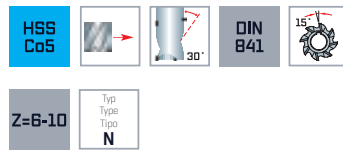
D Walzenstirnfräser
DIN 841

Einsatzbereich:
Empfohlen zum Fräsen von schwer zerspanbaren Werkstoffen bis 1.300 N/mm² Festigkeit sowie von rost- und säurebeständigen Stählen, Titanlegierungen u. ä.



E Shell end mills
DIN 841

Range of application:
Recommended for milling in heavy duty materials up to a tensile strength of 1.300 N/mm² as well as in rust- and acid-resistant steels, titanium-alloyed materials etc.



I Frese frontali
DIN 841

Impiego:
Fresatura generale di acciai di difficile lavorabilità con R fino a 1.300 N/mm², acciai inossidabili, acciai resistenti agli acidi, leghe di Titanio.



d1 _{js16} mm	b _{k16} mm	d2 _{h7} mm	Z	Code 3044 Art.-Nr.
30	30	13	6	0 3044003001 00
35	35	16	6	0 3044003501 00
40	20	16	6	0 3044004201 00
40	40	16	6	0 3044004401 00
50	25	22	8	0 3044005201 00

d1 _{js16} mm	b _{k16} mm	d2 _{h7} mm	Z	Code 3044 Art.-Nr.
50	50	22	8	0 3044005501 00
60	30	27	8	0 3044006301 00
60	60	27	8	0 3044006601 00
75	35	27	10	0 3044007301 00
90	35	27	10	0 3044009001 00

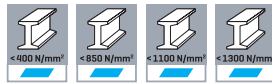


D Walzenstirnfräser

DIN 841

Einsatzbereich:

Für harte, kurzspannende Werkstoffe wie Grauguss, Messing, Bronze, legierte Werkzeugstähle.

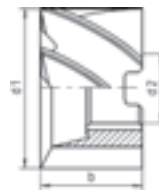
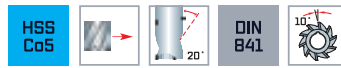


E Shell end mills

DIN 841

Range of application:

For hard, short chipping materials such as cast iron, brass, bronze, alloyed tool steels.



I Frese frontali

DIN 841

Impiego:

Fresatura generale di acciai duri a truciolo corto, ghisa grigia, ottone, bronzo, acciai legati da utensili.



d1 _{js16} mm	b _{k16} mm	d2 _{H7} mm	Z	Code 3054 Art.-Nr.
30	30	13	10	0 3054003001 00
35	35	16	10	0 3054003501 00
40	20	16	10	0 3054004201 00
40	40	16	10	0 3054004401 00
50	25	22	12	0 3054005201 00

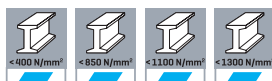
d1 _{js16} mm	b _{k16} mm	d2 _{H7} mm	Z	Code 3054 Art.-Nr.
50	50	22	12	0 3054005501 00
60	30	27	12	0 3054006301 00
60	60	27	12	0 3054006601 00
90	35	27	16	0 3054009001 00

D Walzenstirnfräser

DIN 1880

Einsatzbereich:

Empfohlen zum Fräsen von schwer zerspanbaren Werkstoffen bis 1.300 N/mm² Festigkeit sowie von rost- und säurebeständigen Stählen, Titanlegierungen u. ä.

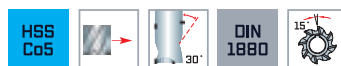


E Shell end mills

DIN 1880

Range of application:

Recommended for milling in heavy duty materials up to a tensile strength of 1.300 N/mm² as well as in rust- and acid-resistant steels, titanium-alloyed materials and similars.



I Frese frontali

DIN 1880

Impiego:

Fresatura generale di acciai di difficile lavorabilità con R fino a 1.300 N/mm², acciai inossidabili, acciai resistenti agli acidi, leghe di Titanio.



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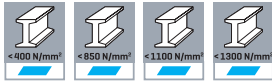
d1 _{js16} mm	b _{k16} mm	d2 _{H7} mm	Z	Code 3074 Art.-Nr.	Code 3077 Art.-Nr.
40	32	16	6	0 3074004001 00	0 3077004001 00
50	36	22	8	0 3074005001 00	0 3077005001 00
63	40	27	8	0 3074006301 00	0 3077006301 00
80	45	27	10	0 3074008001 00	0 3077008001 00
100	50	32	12	0 3074010001 00	

D Walzenstirnfräser

DIN 841

Einsatzbereich:

Empfohlen zum Fräsen von schwer zerspanbaren Werkstoffen mit hoher Festigkeit bis 1.300 N/mm² sowie für Titan und Titanlegierungen.

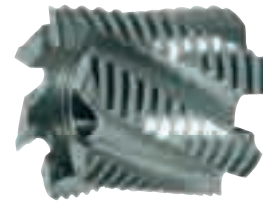
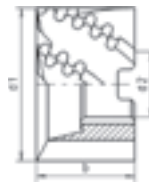
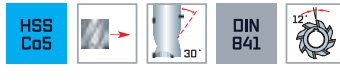


E Shell end mills

DIN 841

Range of application:

Recommended for milling in heavy duty materials with high tensile strength up to 1.300 N/mm² as well as in titanium and titanium-alloyed materials.



I Frese frontali

DIN 841

Impiego:

Fresatura generale di acciai di difficile lavorabilità con R fino a 1.300 N/mm², Titanio, leghe di Titanio.

d1 _{js16} mm	b _{k16} mm	d2 _{H7} mm	Z	Code 3106 Art.-Nr.
35	35	16	6	0 3106003501 00
40	40	16	6	0 3106004401 00

d1 _{js16} mm	b _{k16} mm	d2 _{H7} mm	Z	Code 3106 Art.-Nr.
50	50	22	6	0 3106005501 00
60	30	27	8	0 3106006301 00

D Walzenstirnfräser

DIN 841

Einsatzbereich:

Empfohlen zum Fräsen von schwer zerspanbaren Werkstoffen mit hoher Festigkeit bis 1.300 N/mm² sowie für Titan und Titanlegierungen.

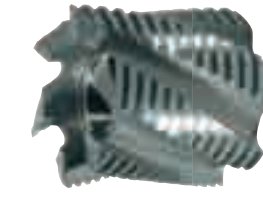
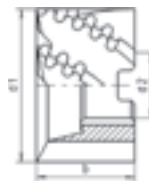
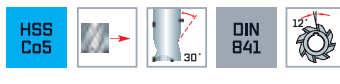


E Shell end mills

DIN 841

Range of application:

Recommended for milling in heavy duty materials with high tensile strength up to 1.300 N/mm² as well as in titanium and titanium-alloyed materials.



I Frese frontali

DIN 841

Impiego:

Fresatura generale di acciai di difficile lavorabilità con R fino a 1.300 N/mm², Titanio, leghe di Titanio.

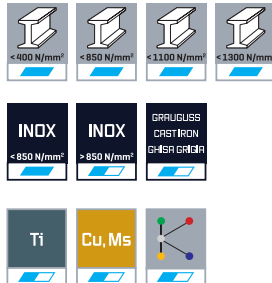
d1 _{js16} mm	b _{k16} mm	d2 _{H7} mm	Z	Code 3116 Art.-Nr.
35	35	16	6	0 3116003501 00
40	20	16	6	0 3116004201 00
50	50	22	6	0 3116005501 00

d1 _{js16} mm	b _{k16} mm	d2 _{H7} mm	Z	Code 3116 Art.-Nr.
60	60	27	8	0 3116006601 00
75	75	27	8	0 3116007701 00
90	35	27	10	0 3116009001 00



D Walzenstirnfräser
DIN 1880

Einsatzbereich:
Empfohlen zum Fräsen von schwer zerspanbaren Werkstoffen mit hoher Festigkeit bis 1.300 N/mm² sowie für Titan und Titanlegierungen.



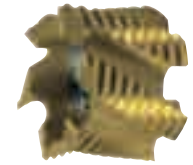
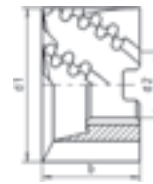
E Shell end mills
DIN 1880

Range of application:
Recommended for milling in heavy duty materials with high tensile strength up to 1.300 N/mm² as well as in titanium and titanium-alloyed materials.



I Frese frontali
DIN 1880

Impiego:
Fresatura generale di acciai di difficile lavorabilità con R fino a 1.300 N/mm², Titanio, leghe di Titanio



TiN

d1 _{js16} mm	b _{k16} mm	d2 _{H7} mm	Z	Code 3126 Art.-Nr.	Code 3128 Art.-Nr.
40	32	16	6	0 3126004001 00	0 3128004001 00
50	36	22	6	0 3126005001 00	0 3128005001 00
63	40	27	8	0 3126006301 00	0 3128006301 00
80	45	27	8	0 3126008001 00	0 3128008001 00
100	50	32	10	0 3126010001 00	0 3128010001 00

D Walzenstirnfräser
DIN 1880

Einsatzbereich:
Empfohlen zum Fräsen von schwer zerspanbaren Werkstoffen mit hoher Festigkeit bis 1.300 N/mm² sowie für Titan und Titanlegierungen.



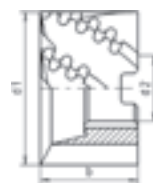
E Shell end mills
DIN 1880

Range of application:
Recommended for milling in heavy duty materials with high tensile strength up to 1.300 N/mm² as well as in titanium and titanium-alloyed materials.



I Frese frontali
DIN 1880

Impiego:
Fresatura generale di acciai di difficile lavorabilità con R fino a 1.300 N/mm², Titanio, leghe di Titanio.



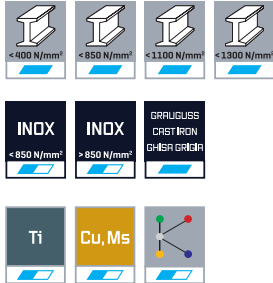
ALLUNIT®

d1 _{js16} mm	b _{k16} mm	d2 _{H7} mm	Z	Code 3146 Art.-Nr.	Code 3147 Art.-Nr.
40	32	16	8	0 3146004001 00	0 3147004001 00
50	36	22	8	0 3146005001 00	0 3147005001 00
63	40	27	10	0 3146006301 00	0 3147006301 00
80	45	27	10	0 3146008001 00	0 3147008001 00
100	50	32	12	0 3146010001 00	0 3147010001 00

D Walzenstirfräser
DIN 1880

Einsatzbereich:

Empfohlen zum Fräsen von schwer zerspanbaren Werkstoffen mit hoher Festigkeit bis 1.300 N/mm² sowie für Titan und Titanlegierungen.



E Shell end mills
DIN 1880

Range of application:

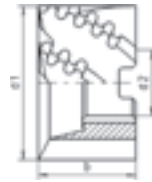
Recommended for milling in heavy duty materials with high tensile strength up to 1.300 N/mm² as well as in titanium and titanium-alloyed materials.



I Frese frontali
DIN 1880

Impiego:

Fresatura generale di acciai di difficile lavorabilità con R fino a 1.300 N/mm², Titanio, leghe di Titanio.



TiN

d1 _{js16} mm	b _{k16} mm	d2 _{H7} mm	Z	Code 3136 Art.-Nr.	Code 3138 Art.-Nr.
40	32	16	6	0 3136004001 00	0 3138004001 00
50	36	22	6	0 3136005001 00	0 3138005001 00
63	40	27	8	0 3136006301 00	0 3138006301 00
80	45	27	8	0 3136008001 00	
100	50	32	10	0 3136010001 00	

